

PUERTO RICO ELECTRIC (B/R) POWER AUTHORITY
American International Plaza
250 Muñoz Rivera Ave, Suite 1200
00918 SAN JUAN
Puerto Rico
Mr. M. Rios



PS-TANKINVENTORY-11-23 - PALO SECO - ALL TANKS - 11/30/2023

Job No 13101/00017295.0000/01/I/23
Report date 01 Dec 2023
Installation Toa Baja, Puerto Rico, Central Palo Seco Terminal

Shore tank PS-TANKINVENTORY-11-23 - PALO SECO - ALL TANKS - 11/30/2023
Product Fuel Oil No,6, Fuel Oil No 2

Survey date: 30-Nov-2023, 30-Nov-2023

Contents page

Saybolt LP - Puerto Rico Branch has performed a survey of the above mentioned object, the findings of the survey are reflected in the following reports:

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Certificate of Quantity	two

This report consists of 9 pages.

A copy of this report and all field documents and related correspondence will be retained for a period of 10 years, unless local law requires otherwise

Handled by: Rafael Rodriguez

This report reflects only the findings at the time and place of the inspection and testing. This report is not a guarantee or policy of insurance with respect to the goods or the contractual performance of any party. Any person relying upon this report should be aware that issuer's activities are carried out under their general terms and conditions.



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Shore tank PS-TANKINVENTORY-11-23 - PALO SECO - ALL TANKS - 11/30/2023

Product Fuel Oil No 2

Shore Tank Inventory Report

Survey date: 30-Nov-2023

Shore tank measurement		Totals	D-1	D-2	D-3
Open measurement					
Date/time of measurement		30 Nov 2023 23:58	30 Nov 2023 16:15	30 Nov 2023 16:30	
Average Innage	FT/IN	10 06-1/2	08 04-1/8	04 11-1/2	
Average temp.	°F	82.2	83.1	82.9	
T.O.V.	Barrels	11,259.14	12,536.27	16,076.08	
Water	FT/IN			00 02-3/8	
Water	Barrels			100.66	
Ambient temp.	°F	76.00	82.00	82.00	
Tank shell temp.	°F	81.00	83.00	83.00	
CTsh		1.00026	1.00029	1.00029	
G.O.V.	Barrels	11,262.07	12,539.91	15,980.05	
API 60°F		35.80	36.70	36.30	
V.C.F.	6B	0.98964	0.98914	0.98927	
G.S.V.	barrels 60°F	11,145.39	12,403.73	15,808.58	
W.C.F.	MPMS 11.5.1.4.12	0.1320474099	0.1313398500	0.1316533840	
W.C.F.	MPMS 11.5.1.4.15	0.1341663626	0.1334474485	0.1337660138	
Long Tons		1,471.720	1,629.104	2,081.253	
Metric Tons Air		1,495.336	1,655.246	2,114.651	
Subtotals					
G.S.V.	barrels 60°F	39,357.70	11,145.39	12,403.73	15,808.58
Long Tons		5,182.077	1,471.720	1,629.104	2,081.253

Remarks

Tables used: 6B and W.C.F. MPMS 11.5.1.4.12.

Net calculation via S&W% (API MPMS 12.1)



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Shore tank PS-TANKINVENTORY-11-23 - PALO SECO - ALL TANKS - 11/30/2023
Product Fuel Oil No,6

Survey date: 30-Nov-2023

Shore Tank Inventory Report - 1

Shore tank measurement		Totals	R-1	R-2	R-4	S-1
Open measurement						
Date/time of measurement		30 Nov 2023 16:45	30 Nov 2023 17:00	30 Nov 2023 17:45	30 Nov 2023 17:10	
Average Innage	FT/IN	17 11-3/4	29 02-5/8	42 01-0/0	08 04-0/0	
Average temp.	°F	89.5	85.4	85.2	90.6	
T.O.V.	Barrels	47,149.05	10,905.29	7,958.26	4,117.31	
Ambient temp.	°F	82.00	82.00	82.00	82.00	
Tank shell temp.	°F	89.00	85.00	85.00	90.00	
CTsh		1.00036	1.00031	1.00031	1.00037	
G.O.V.	Barrels	47,166.02	10,908.67	7,960.73	4,118.83	
API 60°F		17.10	17.60	18.30	17.60	
V.C.F.	6B	0.98819	0.98980	0.98981	0.98770	
G.S.V.	barrels 60°F	46,608.99	10,797.40	7,879.61	4,068.17	
W.C.F.	MPMS 11.5.1.4.12	0.1486880301	0.1481887823	0.1474954343	0.1481887823	
W.C.F.	MPMS 11.5.1.4.15	0.1510740133	0.1505667541	0.1498622800	0.1505667541	
Long Tons		6,930.199	1,600.054	1,162.206	602.857	
Metric Tons Air		7,041.407	1,625.729	1,180.856	612.531	
Subtotals						
G.S.V.	barrels 60°F	85,156.36	46,608.99	10,797.40	7,879.61	4,068.17
Long Tons		12,637.023	6,930.199	1,600.054	1,162.206	602.857

Remarks

Tables used: 6B and W.C.F. MPMS 11.5.1.4.12.

Net calculation via S&W% (API MPMS 12.1)



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Shore tank PS-TANKINVENTORY-11-23 - PALO SECO - ALL TANKS - 11/30/2023
Product Fuel Oil No,6

Survey date: 30-Nov-2023

Shore Tank Inventory Report - 2

Shore tank measurement		S-3	S-4
Open measurement			
Date/time of measurement		30 Nov 2023 17:30	30 Nov 2023 17:20
Average Innage	FT/IN	09 08-3/8	09 01-5/8
Average temp.	°F	85.4	85.3
T.O.V.	Barrels	7,972.26	7,987.50
Ambient temp.	°F	82.00	82.00
Tank shell temp.	°F	85.00	85.00
CTsh		1.00031	1.00031
G.O.V.	Barrels	7,974.73	7,989.98
API 60°F		17.60	17.60
V.C.F.	6B	0.98980	0.98984
G.S.V.	barrels 60°F	7,893.39	7,908.80
W.C.F.	MPMS 11.5.1.4.12	0.1481887823	0.1481887823
W.C.F.	MPMS 11.5.1.4.15	0.1505667541	0.1505667541
Long Tons		1,169.712	1,171.995
Metric Tons Air		1,188.482	1,190.802
Subtotals			
G.S.V.	barrels 60°F	7,893.39	7,908.80
Long Tons		1,169.712	1,171.995

Remarks

Tables used: 6B and W.C.F. MPMS 11.5.1.4.12.

Net calculation via S&W% (API MPMS 12.1)



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Shore tank PS-TANKINVENTORY-11-23 - PALO SECO - ALL TANKS - 11/30/2023
Product Fuel Oil No 2

Survey date: 30-Nov-2023

Shore Tank Inventory Subtotals

Shore tank Subtotals	Totals	D-1	D-2	D-3
Gross Standard Volume				
Cu m 60°F	6,257.376	1,771.976	1,972.036	2,513.364
Barrels 60°F	39,357.70	11,145.39	12,403.73	15,808.58
US Gallons 60°F	1,653,023.40	468,106.38	520,956.66	663,960.36
Metric Tons Vac	5,271.945	1,497.236	1,657.362	2,117.347
Metric Tons Air	5,265.233	1,495.336	1,655.246	2,114.651
Long Tons Air	5,182.077	1,471.720	1,629.104	2,081.253
Short Tons Air	5,803.925	1,648.326	1,824.596	2,331.003
Pounds Air	11,607,850.00	3,296,652.00	3,649,192.00	4,662,006.00
Density 15°C		0.8454	0.8408	0.8428
API 60°F		35.80	36.70	36.30
RD 60/60°		0.8458	0.8413	0.8433
Total Calculated Volume				
Barrels 60°F	39,458.36	11,145.39	12,403.73	15,909.24
US Gallons 60°F	1,657,251.12	468,106.38	520,956.66	668,188.08



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Product Fuel Oil No,6

Survey date: 30-Nov-2023

Shore Tank Inventory Subtotals - 1

Shore tank Subtotals	Totals	R-1	R-2	R-4	S-1
Gross Standard Volume					
Cu m 60°F	13,538.781	7,410.238	1,716.650	1,252.758	646.787
Barrels 60°F	85,156.36	46,608.99	10,797.40	7,879.61	4,068.17
US Gallons 60°F	3,576,567.12	1,957,577.58	453,490.80	330,943.62	170,863.14
Metric Tons Vac	12,854.113	7,049.235	1,627.543	1,182.181	613.215
Metric Tons Air	12,839.807	7,041.407	1,625.729	1,180.856	612.531
Long Tons Air	12,637.023	6,930.199	1,600.054	1,162.206	602.857
Short Tons Air	14,153.465	7,761.823	1,792.060	1,301.671	675.200
Pounds Air	28,306,930.00	15,523,646.00	3,584,120.00	2,603,342.00	1,350,400.00
Density 15°C		0.9517	0.9485	0.9440	0.9485
API 60°F		17.10	17.60	18.30	17.60
RD 60/60°		0.9522	0.9490	0.9446	0.9490
Total Calculated Volume					
Barrels 60°F	85,156.36	46,608.99	10,797.40	7,879.61	4,068.17
US Gallons 60°F	3,576,567.12	1,957,577.58	453,490.80	330,943.62	170,863.14

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Product Fuel Oil No,6

Survey date: 30-Nov-2023

Shore Tank Inventory Subtotals - 2

Shore tank Subtotals		S-3	S-4
Gross Standard Volume			
Cu m 60°F	1,254.949	1,257.399	
Barrels 60°F	7,893.39	7,908.80	
US Gallons 60°F	331,522.38	332,169.60	
Metric Tons Vac	1,189.808	1,192.131	
Metric Tons Air	1,188.482	1,190.802	
Long Tons Air	1,169.712	1,171.995	
Short Tons Air	1,310.077	1,312.634	
Pounds Air	2,620,154.00	2,625,268.00	
Density 15°C	0.9485	0.9485	
API 60°F	17.60	17.60	
RD 60/60°	0.9490	0.9490	
Total Calculated Volume			
Barrels 60°F	7,893.39	7,908.80	
US Gallons 60°F	331,522.38	332,169.60	



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Product Fuel Oil No,6

Survey date: 30 Nov 2023

Certificate of Quantity

The undersigned Independent Saybolt Surveyor herewith declares that the quantity of product measured amounts to:

	Gross	Net
Cubic meters 60°F	13,538.781	13,538.781
Barrels 60°F	85,156.36	85,156.36
US Gallons 60°F	3,576,567.12	3,576,567.12
Metric Tons vac	12,854.113	12,854.113
Metric Tons air	12,839.807	12,839.807
Long Tons	12,637.023	12,637.023
Short Tons	14,153.465	14,153.465
Pounds	28,306,930.00	28,306,930.00

These quantities have been determined by measurement of shore tanks.

B/L API 60°F	17.39
B/L Density 15°C	0.9498
B/L Density 20°C	0.9464
B/L RD 60/60°F	0.9504

Criteria used

US Barrels 60°F to Cu m 60°F	MPMS 11.5 - Annex D	0.158987304
US Barrels 60°F to US Gallons 60°F	MPMS 11.5 - Annex D	42
Metric Tons Air to Metric Tons Vac	MPMS 11.5.3 - 4.5	1.001114114
Barrels 60°F to Metric Tons Air	MPMS 11.5.1 - 4.15	0.150779388
Barrels 60°F to Long Tons	MPMS 11.5.1 - 4.12	0.1483980579
Long Tons to Short Tons	MPMS 11.5 - Annex D	1.12

Remark

Net via S&W Volume %

Signed by: Saybolt representative
Name:
Rank: Saybolt Inspector



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Product Fuel Oil No 2

Survey date: 30 Nov 2023

Certificate of Quantity

The undersigned Independent Saybolt Surveyor herewith declares that the quantity of product measured amounts to:

	Gross	Net
Cubic meters 60°F	6,257.376	6,257.376
Barrels 60°F	39,357.70	39,357.70
US Gallons 60°F	1,653,023.40	1,653,023.40
Metric Tons vac	5,271.945	5,271.945
Metric Tons air	5,265.233	5,265.233
Long Tons	5,182.077	5,182.077
Short Tons	5,803.925	5,803.925
Pounds	11,607,850.00	11,607,850.00

These quantities have been determined by measurement of shore tanks.

B/L API 60°F	36.28
B/L Density 15°C	0.8429
B/L Density 20°C	0.8394
B/L RD 60/60°F	0.8434

Criteria used

US Barrels 60°F to Cu m 60°F	MPMS 11.5 - Annex D	0.158987304
US Barrels 60°F to US Gallons 60°F	MPMS 11.5 - Annex D	42
Metric Tons Air to Metric Tons Vac	MPMS 11.5.3 - 4.5	1.001274651
Barrels 60°F to Metric Tons Air	MPMS 11.5.1 - 4.15	0.133781982
Barrels 60°F to Long Tons	MPMS 11.5.1 - 4.12	0.1316691
Long Tons to Short Tons	MPMS 11.5 - Annex D	1.12

Remark

Net via S&W Volume %

Signed by: Saybolt representative

Name:

Rank: Saybolt Inspector



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